

Cigarette Type	Cigarette Short Name	Analytical Parameter	Yield (mg/cig.) or Puff count (N/cig.)			
			Supplier Data	INBIFO Data		
			ISO	ISO	MCTSP	MCTSP vs ISO
OMNI FULL FLAVOR KS SP	OMN6	TPM	16.5	15.14	28.58	1.89
OMNI LIGHTS KS SP	OMNL6		15.2	14.81	28.62	1.93
OMNI ULTRA LIGHT 100 SP	OMNU8		6.4	6.53	19.95	3.06
1R4F	1R4F		10.7	12.25	27.54	2.25
OMNI FULL FLAVOR KS SP	OMN6	DPM	13.8	12.88	22.12	1.72
OMNI LIGHTS KS SP	OMNL6		12.9	12.49	21.38	1.71
OMNI ULTRA LIGHT 100 SP	OMNU8		6.0	5.87	16.09	2.74
1R4F	1R4F		9.8	10.36	21.54	2.08
OMNI FULL FLAVOR KS SP	OMN6	tar	12.9	12.19	20.92	1.72
OMNI LIGHTS KS SP	OMNL6		12.0	11.66	20.00	1.72
OMNI ULTRA LIGHT 100 SP	OMNU8		5.5	5.50	15.04	2.73
1R4F	1R4F		9.0	9.41	19.85	2.11
OMNI FULL FLAVOR KS SP	OMN6	nicotine	0.82	0.69	1.20	1.74
OMNI LIGHTS KS SP	OMNL6		0.86	0.83	1.39	1.67
OMNI ULTRA LIGHT 100 SP	OMNU8		0.43	0.37	1.05	2.84
1R4F	1R4F		0.74	0.95	1.69	1.78
OMNI FULL FLAVOR KS SP	OMN6	puff count	6.9	6.8	9.8	1.44
OMNI LIGHTS KS SP	OMNL6		7.2	7.6	10.2	1.34
OMNI ULTRA LIGHT 100 SP	OMNU8		9.3	9.7	13.7	1.41
1R4F	1R4F		8.9	9.7	13.9	1.43

Table 1 Comparison of Yields of TPM, DPM, tar, and nicotine and puff count

Analytical Parameter	Cigarette Short Name	Yield (µg/cig.)		Rel. Amount
		Smoking Conditions		
		ISO	MCTSP	MCTSP/ISO
Acrolein	OMN6	45.6	80.1	1.76
	OMNL6	48.8	89.1	1.83
	OMNU8	15.0	59.9	3.99
	1R4F	51.1	103.0	2.02

Table 2 Amount of Acrolein trapped in PBS

Cigarette	Smoke Fraction	Smoking Condition	1/EC 50 (ml/mg TPM)	OMNI vs 1R4F
OMN6	TPM	ISO	6.91	1.00
OMNL6			5.75	0.84
OMNU8			5.52	0.80
1R4F			6.88	-
OMN6		MCTSP	4.80	0.76
OMNL6			5.39	0.86
OMNU8			5.82	0.93
1R4F			6.28	-
OMN6	GVP	ISO	3.17	0.90
OMNL6			3.85	1.10
OMNU8			2.22	0.63
1R4F			3.51	-
OMN6		MCTSP	3.06	0.75
OMNL6			3.57	0.88
OMNU8			3.47	0.85
1R4F			4.08	-

Table 3 Cytotoxicity on a per mg TPM basis, OMNI vs 1R4F

Cigarette	Smoke Fraction	Smoking Condition	1/EC 50 (ml/mg tar)	OMNI vs 1R4F
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OMN6	TPM	ISO	8.58	0.96
OMNL6			7.30	0.81
OMNU8			6.55	0.73
1R4F			8.96	-
OMN6		MCTSP	6.56	0.75
OMNL6			7.71	0.89
OMNU8			7.72	0.89
1R4F			8.71	-
OMN6	GVP	ISO	3.93	0.86
OMNL6			4.89	1.07
OMNU8			2.63	0.58
1R4F			4.56	-
OMN6		MCTSP	4.17	0.74
OMNL6			5.11	0.90
OMNU8			4.60	0.81
1R4F			5.66	-

Table 4 Cytotoxicity on a per mg tar basis, OMNI vs 1R4F

Cigarette Short Name	Smoke Fraction	Smoking Condition	1/EC 50 (ml/cig.)	OMNI vs 1R4F
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OMN6	TPM	ISO	104.63	1.24
OMNL6			85.15	1.01
OMNU8			36.05	0.43
1R4F			84.31	-
OMN6		MCTSP	137.18	0.79
OMNL6			154.18	0.89
OMNU8			116.08	0.67
1R4F			172.96	-
OMN6	GVP	ISO	47.94	1.12
OMNL6			57.05	1.33
OMNU8			14.46	0.34
1R4F			42.95	-
OMN6		MCTSP	87.31	0.78
OMNL6			102.23	0.91
OMNU8			69.23	0.62
1R4F			112.41	-

Table 5 Cytotoxicity on a per cigarette basis, OMNI vs 1R4F

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CYTOTOX-OMNI.XLS TABLE 5

Smoke Fraction	Smoking Condition	Cigarette A	Cigarette B	Cytotoxicity								
				per mg TPM (ml/mg TPM)			per mg Tar (ml/mg tar)			per Cigarette (ml/cig.)		
				Cigarette A	Cigarette B	Cig.B vs Cig.A	Cigarette A	Cigarette B	Cig.B vs Cig.A	Cigarette A	Cigarette B	Cig.B vs Cig.A
TPM	ISO	OMN6	OMNL6	6.91	5.75	0.83	8.58	7.30	0.85	104.63	85.15	0.81
			OMNU8		5.52	0.80		6.55	0.76		36.05	0.34
		OMNL6	OMNU8	5.75	5.52	0.96	7.30	6.55	0.90	85.15	36.05	0.42
	MCTSP	OMN6	OMNL6	4.80	5.39	1.12	6.56	7.71	1.18	137.18	154.18	1.12
			OMNU8		5.82	1.21		7.72	1.18		116.08	0.85
		OMNL6	OMNU8	5.39	5.82	1.08	7.71	7.72	1.00	154.18	116.08	0.75
GVP	ISO	OMN6	OMNL6	3.17	3.85	1.21	3.93	4.89	1.24	47.94	57.05	1.19
			OMNU8		2.22	0.70		2.63	0.67		14.46	0.30
		OMNL6	OMNU8	3.85	2.22	0.58	4.89	2.63	0.54	57.05	14.46	0.25
	MCTSP	OMN6	OMNL6	3.06	3.57	1.17	4.17	5.11	1.23	87.31	102.23	1.17
			OMNU8		3.47	1.13		4.60	1.10		69.23	0.79
		OMNL6	OMNU8	3.57	3.47	0.97	5.11	4.60	0.90	102.23	69.23	0.68

Table 6 Comparison of Cytotoxicity between Omni Cigarette

Remarks: Relative Difference: difference in cytotoxicity between cigarettes A and B divided by their mean